AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A display device, comprising:

reception means for receiving data transmitted wirelessly from a plurality of transmission devices;

display means for displaying information; and

control means for controlling a function of the display device,

wherein the control means includes:

reception degree detection means for detecting a degree of reception of the reception means; and

display control means for controlling the display means so that the display means displays images respectively indicating the plurality of transmission devices, in a form according to the degree of reception detected by the reception degree detection means[[,]];

wherein the display control means controls the display means so that the display means displays the images for respectively indicating the plurality of transmission devices in a form according to the degree of reception detected by the reception degree detection means; and

wherein at least one of outline, size, and color of the images corresponds to magnitude of the degree of reception.

2. (Previously Presented) The display device as set forth in claim 1, wherein the reception degree detection means detects the degree of reception, based on at least one of electric field strength of a received radio wave and an error ratio of received data.

3. (Currently Amended) A display device, comprising:

communication means for performing wireless communication of data with each of a plurality of communication devices;

display means for displaying information; and

control means for controlling a function of the display device,

wherein the control means includes:

communication degree detection means for detecting a degree of communication of the communication means; and

display control means for controlling the display means so that the display means displays images respectively indicating the plurality of communication devices, in a form according to the degree of communication detected by the communication degree detection means[[,]];

wherein the display control means controls the display means so that the display means displays the images for respectively indicating the plurality of communication devices in a form according to the degree of communication detected by the communication degree detection means; and

wherein at least one of outline, size, and color of the images corresponds to magnitude of the degree of communication.

4. (Previously Presented) The display device as set forth in claim 3, wherein the communication degree detection means detects the degree of communication, based on at least one of electric field strength of a received radio wave, an error ratio of received data, and frequency of a request for re-transmission of data based on the error ratio.

5. (Previously Presented) The display device as set forth in claim 3, wherein the display control means determines a distance from the display device, based on the degree of communication detected by the communication degree detection means, and controls the display means so that the display means displays the images respectively indicating the plurality of communication devices, based on the determined distance.

6. (Original) The display device as set forth in claim 5, wherein the display control means controls the display means so that the display means displays according to perspective.

7. (Previously Presented) The display device as set forth in claim 3, wherein the communication degree detection means detects a degree of communication with communication

device(s) with which a communication link is established, out of the plurality of communication devices.

8. (Canceled)

9. (Previously Presented) The display device as set forth in claim 3, further comprising storage means for storing information regarding rooms in which the plurality of communication devices are placed,

wherein the display control means performs display control, so as to display an image for indicating each of the rooms, based on a degree of communication of communication device(s) placed in each of the rooms, out of the degree of communication detected by the communication degree detection means.

10. (Currently Amended) A wireless communication system made by connecting one or more communication devices with a display device so that the one or more communication devices can wirelessly communicate with the display device,

wherein:

the one or more communication devices include

communication means for performing wireless communication of data with the display device, and

control means for controlling a function of the one or more communication devices;

the display device includes

communication means for performing wireless communication of data with the one or more communication devices,

display means for displaying and outputting information, and

control means for controlling a function of the display device;

the control means of the one or more communication devices includes

communication degree detection means for detecting a degree of communication of the communication means, and

communication degree transmission means for transmitting, via the communication means, to the display device, the degree of communication detected by the communication degree detection means; and

the control means of the display device includes

communication degree acquisition means for acquiring, via the communication means, the degree of communication detected by the communication degree detection means of the one or more communication devices, and

display control means for controlling the display means so that the display means displays an image or images indicating the one or more communication devices, in a form according to the degree of communication acquired by the communication degree acquisition means[[,]];

wherein the display control means of the display device controls the display means so that the display means displays the image or images for respectively indicating the one or more communication devices in a form according to the degree of communication acquired by the communication degree acquisition means; and

wherein at least one of outline, size, and color of the image or images corresponds to magnitude of the degree of communication.

11. (Previously Presented) The wireless communication system as set forth in claim 10, wherein the communication degree detection means of the one or more communication devices detect the degree of communication, based on at least one of electric field strength of a received radio wave, an error ratio of received data, and frequency of a request for re-transmission of data based on the error ratio.

12. (Previously Presented) The wireless communication system as set forth in claim 10, wherein the display control means of the display device determines a distance from the display device, based on the degree of communication acquired by the communication degree acquisition means, and controls the display means so that the display means displays the image

or images respectively indicating the one or more communication devices, based on the determined distance.

13. (Original) The wireless communication system as set forth in claim 12, wherein the display control means of the display device controls the display means so that the display means displays according to perspective.

14. (Previously Presented) The wireless communication system as set forth in claim 10, wherein the communication degree acquisition means of the display device acquires a degree of communication with communication device(s) with which a communication link is established, out of the one or more communication devices.

15. (Canceled)

16. (Previously Presented) The wireless communication system as set forth in claim 10, wherein the display device further includes storage means for storing information regarding rooms in which the one or more communication devices are placed,

the display control means of the display device performs display control, so as to display an image for indicating each of the rooms, based on a degree of communication of communication device(s) placed in each of the rooms, out of the degree of communication acquired by the communication degree acquisition means.

17. (Previously Presented) The wireless communication system as set forth in claim 10, wherein

there are a plurality of the communication devices,

the communication means of each of the communication devices performs wireless communication of data with other communication device(s) as well as with the display device,

the communication degree detection means of each of the communication devices detects a degree of communication with other communication device(s) as well as with the display device,

the display control means of the display device controls the display means so that the display means displays the images respectively indicating the communication devices, based on the degree of communication of the communication devices acquired by the communication degree acquisition means.

18. (Previously Presented) The wireless communication system as set forth in claim 10, wherein

there are a plurality of the communication devices,

the communication means of each of the communication devices performs wireless communication of data with other communication device(s) as well as with the display device,

the communication degree detection means of each of the communication devices detects a degree of communication with other communication device(s),

the display device further includes communication degree detection means for detecting a degree of communication with each of the communication devices, and

the display control means controls the display means so that the display means displays the images for indicating the communication devices, based on (i)the degree of communication of each of the communication devices acquired by the communication degree acquisition means and (ii)the degree of communication with each of the communication devices detected by the communication degree detection means.

19. (Currently Amended) A control method of a display device including: reception means for receiving data transmitted wirelessly from a plurality of transmission devices; and display means for displaying information,

wherein said display device detects a degree of reception of the reception means, and displays images respectively indicating the plurality of transmission devices, in a form according to the detected degree of reception, wherein a display control means of the display device

controls the display means so that the display means displays the images for respectively indicating the plurality of transmission devices in a form according to the degree of reception; and

wherein at least one of outline, size, and color of the images corresponds to magnitude of the degree of reception.

20. (Currently Amended) A control method of a display device including: communication means for performing wireless communication of data with each of a plurality of communication devices; and display means for displaying information,

wherein said display device detects a degree of communication of the communication means, and displays images respectively indicating the plurality of communication devices, in a form according to the detected degree of communication[[,]]

wherein a display control means of the display device controls the display means so that the display means displays the images for respectively indicating the communication devices in a form according to the degree of communication; and

wherein at least one or outline, size, and color of the images corresponds to magnitude of the degree of communication.

21. (Currently Amended) A control method of a wireless communication system made by connecting one or more communication devices with a display device so that the one or more communication devices can wirelessly communicate with the display device,

wherein:

the one or more communication devices include communication means for performing wireless communication of data with the display device,

the display device includes communication means for performing wireless communication of data with the one or more communication devices, and display means for displaying information,

said wireless communication system detects a degree of communication of communication means of the one or more communication devices, transmits the detected degree

of communication from the one or more communication devices to the display device, and displays an image or images indicating the one or more communication devices on display means of the display device, in a form according to the transmitted degree of communication, wherein a display control means of the display device controls the display means so that the display means displays the image or images for respectively indicating the communication devices in a form according to the degree of communication; and

wherein at least one of outline, size, and color of the image or images corresponds to magnitude of the degree of communication.

22. (Previously Presented) A computer readable medium encoded with a display device control program for causing the display device as set forth in claim 1 to function, and for causing a computer to function as the control means.

23. (Previously Presented) A computer readable medium encoded with a wireless communication system control program for causing a wireless communication system as set forth in claim 10 to function, and for causing a computer to function as control means for both of the communication device and the display device.

24. (Canceled)

25. (Previously Presented) A computer readable medium encoded with a display device control program for causing the display device as set forth in claim 3 to function and for causing a computer to function as the control means.

26. (New) The display device as set forth in claim 1, wherein the display control means for controlling the display means displays images indicating at least one room according to average of the degree of reception for communication devices in each room.

27 (New) The display device as set forth in claim 1, wherein the degree of reception corresponds to distance of communication device to the reception means.